

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (2/98)

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Only for new nonprovisional applications under 37 CFR 1.53(h)

Attorney Docket No. 06192.0094.DVUS01

First Named Inventor or Application Identifier

Jong-Hwan Cho

Title

APPARATUS FOR MANUFACTURING A THIN FILM  
TRANSISTOR ARRAY PANEL FOR A LIQUID CRYSTAL  
DISPLAY (AS AMENDED)

Express Mail Label No.

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ \*Fee Transmittal Form (Form PTO-1082)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 17 ]  
(preferred arrangement set forth below)
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claims
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets 13 ]
4. ☒ Oath or Declaration [Total Pages 3 ]
- a. ☐ Newly executed (original or copy)
- b. ☒ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named  
in the prior application, see 37 CFR 1.63(d)(2) and  
1.33(b).
5. ☒ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy  
of the oath or declaration is supplied under Box 4b, is considered  
as being part of the disclosure of the accompanying application  
and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above  
copies

**ACCOMPANYING APPLICATION PARTS**

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503) (Two)  
(should be specifically itemized)
14. ☐ \*Small Entity ☐ Statement filed in  
Statement(s) prior application,  
Status still proper  
and desired
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other:

\*NOTE FOR ITEMS 1 & 14 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY  
FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF  
ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)

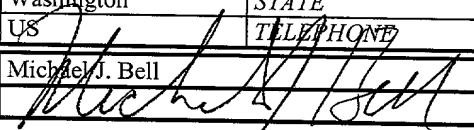
**17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No: 09/405,178

Prior Application Information: Examiner: Wilson, C. Group/Art Unit: 2824

**18. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label 22930 or ☐ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

NAME	Michael J. Bell HOWREY SIMON ARNOLD & WHITE, LLP				
ADDRESS	Box No. 34 1299 Pennsylvania Avenue, N.W.				
CITY	Washington	STATE	DC	ZIP CODE	20004-2402
COUNTRY	US	TELEPHONE	202-783-0800	FAX	202-383-7195
Name (Print/Type)	Michael J. Bell		Registration No. (Attorney/Agent)	39,604	
Signature			Date	February 14, 2001	

HOWREY & SIMON  
Box No. 34  
1299 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004-2402  
(202) 783-0800

U.S. PTO  
09/781987  
02/14/01

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Attorney Docket No. 06192.0094.DVUS01

Sir:

Transmitted herewith for filing is the patent application of

Inventors: **Jong-Hwan CHA, et al.**

For: **APPARATUS FOR MANUFACTURING A THIN FILM TRANSISTOR ARRAY PANEL  
FOR A LIQUID CRYSTAL DISPLAY (AS AMENDED)**

Enclosed are:

- ☒ A specification containing: 12 pages of description prior to the claims; 4 pages of claims (9 claims); a one (1) page abstract; 13 sheets of drawings (Figures 1A- 14 inclusive)
- ☒ PTO SB/05
- ☒ Copy of Executed Declaration-POA from Prior Patent Application.

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
FOR	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	1 -20 =	* 0
INDEP. CLAIMS	1 -3 =	* 0
<input checked="" type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

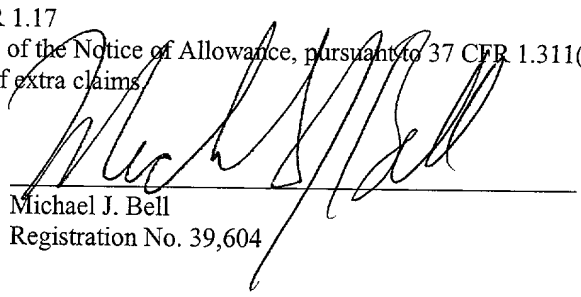
SMALL ENTITY	
RATE	FEE
	\$ 345.00
x 9 =	
x 39 =	
+ 130 =	
TOTAL	

OTHER THAN A SMALL ENTITY	
RATE	FEE
	\$ 710.00
x 18 =	
x 80 =	
+ 270 =	
TOTAL	\$ 710.00

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

- ☒ A check in the amount of \$710.00 to cover the filing fee is enclosed.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 08-3038. *A duplicate copy of this sheet is attached.*
  - ☒ Any additional filing fees required under 37 CFR 1.16.
  - ☒ Any patent application processing fees under 37 CFR 1.17.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038. *A duplicate copy of this sheet is enclosed.*
  - ☒ Any patent application processing fees under 37 CFR 1.17
  - ☒ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).
  - ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims

Date 2/14/01

  
Michael J. Bell  
Registration No. 39,604

February 14, 2001

*Box New Applications*

Assistant Commissioner for Patents  
Washington, DC 20231

Re: New Utility Non-Provisional Patent Application  
Application No. **TO BE ACCORDED** Filed **HEREWITH**  
Divisional of U.S. Patent Application No. 09/405,178, filed September  
24, 1999  
Title: **APPARATUS FOR MANUFACTURING A THIN FILM  
TRANSISTOR ARRAY PANEL FOR A LIQUID CRYSTAL DISPLAY (AS  
AMENDED)**  
Inventors: **Jong-Hwan CHA, et al.**  
Our Ref: 06192.0094.DVUS01

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a divisional application of prior  
Application No. 09/405,178, consisting of the following documents:

1. U.S. Utility Patent Application entitled:

**METHOD OF MANUFACTURING A THIN FILM TRANSISTOR ARRAY  
PANEL FOR A LIQUID CRYSTAL DISPLAY**

and naming as inventors: **Jong-Hwan CHA  
Geun-Ha JANG  
Dae-Sung YI**

the application consisting of:

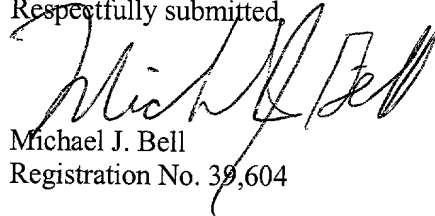
- a. A specification containing:
    - (i) 12 pages of description prior to the claims;
    - (ii) 4 pages of claims (9 claims);
    - (iii) a one (1) page abstract;
  - b. 13 sheets of drawings (Figures 1A-1D, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13  
and 14, inclusive);
2. Form PTO-SB/05;
  3. Form PTO 1082;

5. A Preliminary Amendment;
6. Check No. 346518 for \$710.00 to cover:  
  
\$710.00 Filing fee for patent application;
7. Two Return Postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number 06192.0094.DVUS00.  
*A duplicate copy of this letter is enclosed.*

Respectfully submitted,



Michael J. Bell  
Registration No. 39,604

Enclosures

06192.0094.DVUS01